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LIST OF PUBLICATIONS

Research Manuscripts:

Oliver M. Brown: Studies on the isolation and enzymatic properties of Golgi apparatus and other plant cell organelles. Ph.D. Dissertation, Kansas State University, 1970. Dissertation Abstracts International, B-Biochemistry 32 (1): 61-B, 1971.

P.I.A. Szilagyi, Jack P. Green, Oliver M. Brown and S. Margolis: The measurement of nanogram amounts of acetylcholine in tissue by pyrolysis gas chromatography. *Journal of Neurochemistry* 19: 2555-2566, 1972.

Oliver M. Brown: Cat heart acetylcholine: Structural proof and distribution. *American Journal of Physiology* 231: 781-785, 1976.

Oliver M. Brown, Mary Ellen Post and Samuel Mallov: The effects of ethanol on rat brain and heart acetylcholine. *Journal of Studies on Alcohol* 38: 603-617, 1977.

Tibor Palfai, Thomas J. Walsh, Bruce J. Albala and Oliver M. Brown: Effects of 1-dihydroxyphenylalanine (1-dopa) and d, 1,5-hydroxytryptophan (d, 1,5 HTP) on reserpine induced amnesia. *Psychopharmacology* 53: 269-276, 1977.

Tibor Palfai, Oliver M. Brown and Thomas J. Walsh: Catecholamine levels in whole brain and probability of memory formation are not related. *Pharmacology, Biochemistry and Behavior* 8: 717-721, 1978.

Oliver M. Brown: Cat heart acetylcholine: unilateral vagotomy studies with pyrolysis-mass fragmentography. *Life Sciences* 28: 819-825, 1981.

Oliver M. Brown, Tibor Palfai and Lawrence Wichlinski: Effect of an amnesic dose of reserpine, syrosingopine or guanethidine on the levels of whole brain dopamine and norepinephrine in the mouse. *Pharmacology, Biochemistry and Behavior* 15: 911-914, 1981.

Oliver M. Brown and Joseph J. Salata: *In vivo* acetylcholine turnover in rat heart. *Life Sciences* 33: 213-224, 1983.

Tibor Palfai, Lawrence Wichlinski and Oliver M. Brown: The effect of reserpine, syrosingopine and guanethidine on the retention of discrimination escape reversal: peripherally-administered catecholamines cannot reverse the reserpine amnesia in this situation. *Behavioral and Neural Biology* 38: 120-126, 1983.

Charles H. Hodge, Jr., A. Vania Apkarian, Richard T. Stevens, Glenn D. Vogelsang,

Oliver M. Brown and Joel I. Franck: Dorsolateral pontine inhibition of dorsal horn cell responses to cutaneous stimulation: lack of dependence on catecholaminergic systems in cat. *Journal of Neurophysiology* 50: 1220-1235, 1983.

Oliver M. Brown, Joseph J. Salata and Lynne A. Graziani: The distribution of acetylcholine and choline in guinea pig heart. *Life Sciences* 36: 383-389, 1985.

Peter S. DiStefano and Oliver M. Brown: Biochemical correlates of morphine withdrawal. 1. Characterization in the adrenal medulla and locus coeruleus. *Journal of Pharmacology and Experimental Therapeutics* 233: 333-338, 1985.

Peter S. DiStefano and Oliver M. Brown: Biochemical correlates of morphine withdrawal. 2. Effects of clonidine. *Journal of Pharmacology and Experimental Therapeutics* 233: 339-344, 1985.

Jan Gorski, David A. Hood, Oliver M. Brown and Ronald L. Terjung: Incorporation of ¹⁵N-leucineamine into ATP of fast-twitch muscle following stimulation. *Biochemical and Biophysical Research Communications* 128: 1254-1260, 1985.

Tibor Palfai, Lawrence Wichlinski, H. Alex Brown and Oliver M. Brown: Effects of amnesic doses of reserpine or syrosingopine on mouse brain acetylcholine levels. *Pharmacology, Biochemistry and Behavior* 24: 1457-1459, 1986.

Patricia A. McGrattan, Joan Heller Brown and Oliver M. Brown: Parasympathetic effects on the *in vivo* rat heart can be regulated through an alpha1-adrenergic receptor. *Circulation Research* 60: 465-471, 1987.

Oliver M. Brown: *In vitro* acetylcholine synthesis and release in *Raja erinacea* electric organ. *Mt. Desert Island-Biological Laboratory Bulletin* 27: 116-119, 1988.

Oliver M. Brown and John S. Andrade: Electrical discharge and acetylcholine output from *Raja erinacea* electric organ are decreased by cadmium. *Mt. Desert Island-Biological Laboratory Bulletin* 28: 109-111, 1989.

Oliver M. Brown and John S. Andrade: Cadmium toxicity in *Raja erinacea* electric organ. *Mt. Desert Island-Biological Laboratory Bulletin* 29: 106-107, 1990.

Oliver M. Brown and John S. Andrade: Cadmium inhibits stimulus-response coupling in skate (*Raja erinacea*) electric organ. *Mt. Desert Island-Biological Laboratory Bulletin* 30: 91-93, 1991.

Oliver M. Brown and John S. Andrade: Mechanisms of cadmium toxicity in *Raja erinacea* electric organ. *Mt. Desert Island-Biological Laboratory Bulletin* 31: 163-164, 1992.

Oliver M. Brown and John S. Andrade: Cadmium inhibits stimulus-response coupling in skate (*Raja erinacea*) electric organ. *Comparative Biochemistry and Physiology - Part C - Comparative Pharmacology and Toxicology* 102C:439-446, 1992.

Oliver M. Brown and John S. Andrade. Mechanisms of heavy metal toxicity on stimulus-response coupling in skate (*Raja erinacea*) electric organ. *Mt. Desert Island-Biological Laboratory Bulletin* 32:149-150, 1993.

Oliver M. Brown and John S. Andrade. Mechanisms of heavy metal toxicity to synaptic transmission in *Raja erinacea* electric organ. Mt. Desert Island-Biological Laboratory Bulletin 33:127-129, 1994.

M. E. Kriebel, B. Keller, G. Q. Fox, and O. M. Brown: The secretory pore array hypothesis of transmitter release. *Cell Biology International*, 24(11):839-848, 2000.

Zaki S. Badawy, Kazim R. Chohan, Donna A. Whyte, Harvey S. Penefsky, Oliver M. Brown, Abdul-Kader Souid: Cannabinoids inhibit the respiration of human sperm. *Fertility and Sterility*, DOI: 10.1016/j.fertnstert.2008.03.075, 18 June 2008.

Donna A. Whyte, Suleiman Al-Hammadi, Ghazala Balhaj, Oliver M. Brown, Harvey S. Penefsky, Abdul-Kader Souid: Cannabinoids inhibit cellular respiration of human oral cancer cells. *Pharmacology*, 85:328-335, 2010.

Book Chapters:

Oliver M. Brown, Joseph J. Salata and Lynne A. Graziani: Parasympathetic innervation of the heart: Acetylcholine turnover in vivo. In *Dynamics of Cholinergic Function* (ed. I. Hanin), pp: 1071-1080, Plenum Press, New York, 1986.

Oliver M. Brown: Adrenergic Drugs. In *Textbook of Pharmacology* (ed. A.M. Reynard and C.M. Smith), W.B. Saunders Co., Philadelphia, pp. 141-167, 1992.

Oliver M. Brown: Autonomic Nervous System Pharmacology,
 Cholinergic Drugs,
 Anticholinergic Drugs,
 Adrenergic Drugs,
 Adrenergic Antagonists;

Five chapters in medical pharmacology textbook: *Essentials of Pharmacology* (ed. C.M. Smith and A.M. Reynard), W.B. Saunders Company, Philadelphia, pp. 46-91, 1995.

Published Presentations at Scientific Meetings:

Oliver M. Brown and Philip Nordin: Isolation of Golgi apparatus from plant tissues. *Federation Proceedings* 29 (2): 3497, 1970.

Oliver M. Brown: Effects of delta-9-tetrahydrocannabinol (THC) on rat brain acetylcholine levels. *Pharmacologist* 15 (2): 243, 1973.

Oliver M. Brown and Emilio L. Kabela: Acetylcholine in the mammalian heart. *Pharmacologist* 16 (2): 536, 1974.

Oliver M. Brown, Mary Ellen Post and Samuel Mallov: Effects of ethanol on rat brain and heart acetylcholine. American Society for Neurochemistry, 6th Meeting, Mexico City, March 1975.

Robert C. Strader and Oliver M. Brown: Stat analysis of street drugs utilizing liquid chromatography. American Academy of Forensic Sciences, 31st Meeting, February 1979.

Joseph J. Salata and Oliver M. Brown: Acetylcholine and choline content of rat heart. FASEB, Anaheim, April 1980, Federation Proceedings 39 (3): 1832, 1980.

Richard T. Stevens, Charles J. Hodge, A. Vania Apkarian, Glenn D. Vogelsang, H.J. Vogelsang and Oliver M. Brown: The functional anatomy of the coeruleo-spinal pathway. Society for Neuroscience, Cincinnati, November 1980, Abstracts Vol. 6: 150.10, 1980.

Oliver M. Brown, Lawrence Wichlinski and Tibor Palfai: The effects of rauwolfia alkaloids on mouse brain catecholamines: studies with high performance liquid chromatography. FASEB, Atlanta, April 1981, Federation Proceedings 40 (3): 445, 1981.

Glenn D. Peca-Vogelsang, Charles J. Hodge, Richard T. Stevens, A. Vania Apkarian, Joel Franck and Oliver M. Brown: Pattern of catecholamine distribution in the lumbar spinal cord. Society for Neuroscience, Los Angeles, October 1981, Abstracts Vol.7: 173.3, 1981.

Peter S. DiStefano and Oliver M. Brown: Tyrosine hydroxylase and catecholamine in rat adrenal and locus coeruleus during opiate withdrawal. FASEB, New Orleans, April 1982, Federation Proceedings 41 (4): 4591, 1982.

Peter S. DiStefano and Oliver M. Brown: Rat adrenal catecholamines and their biosynthesizing enzymes during opiate withdrawal. FASEB, Chicago, April 1983 Federation Proceedings 42(3):2139,1983.

Ronald L. Terjung, Jan Gorski, David A. Hood and Oliver M. Brown: Incorporation of ¹⁵N-leucine amine into ATP of fast-twitch muscle following stimulation. FASEB, Chicago, April 1983, Federation Proceedings 42 (4): 4124, 1983.

Oliver M. Brown and Joseph J. Salata: *In vivo* choline uptake and acetylcholine synthesis in rat heart. FASEB, Chicago, April 1983, Federation Proceedings 42: 5007, 1983.

Oliver M. Brown, Lynne A. Graziani and Joseph J. Salata: The distribution of acetylcholine and choline in guinea pig heart. FASEB, St. Louis, April 1984, Federation Proceedings 43 (3): 344, 1984.

Peter S. DiStefano, Mary Ann Carroll and Oliver M. Brown: Clonidine blocks the biochemical changes in opiate withdrawal. FASEB, St. Louis, April 1984, Federation Proceedings 43 (3): 2687, 1984.

Oliver M. Brown, Lynne A. Graziani and Joseph J. Salata: The effects of vagus stimulation on *in vivo* acetylcholine turnover in rat heart, IUPHAR 9th International Congress of Pharmacology, London, August, 1984.

Patricia A. McGrattan and Oliver M. Brown: Pre-synaptic alpha receptors in the parasympathetic nervous system of the rat heart, an *in vivo* study. Eastern Student Research Forum, Univ. Miami School of Medicine, March 6, 1985.

Patricia A. McGrattan and Oliver M. Brown: Sympathetic modulation of parasympathetic effects on the heart. FASEB, Anaheim, April 1985, Federation Proceedings 44 (4): 2842, 1985.

Oliver M. Brown and Lynne A. Graziani: Cardiac acetylcholine turnover *in vivo* and vagal stimulation. ASPET, Boston, August 1985, The Pharmacologist 27 (3): 113, 1985.

Oliver M. Brown and Patricia A. McGrattan: Parasympathetic control of heart rate: modification by alpha adrenergic agents. AHA, Washington, D.C., November 1985, Circulation 72(Suppl.III): 247, 1985.

James Holsapple and Oliver M. Brown: Heart acetylcholine turnover: a mathematical model that predicts two pools. Montreal, November, 1988, Pharmacologist 30(3): A214, 1988.

Oliver M. Brown and John S. Andrade: Cadmium decreases electrical discharge and acetylcholine output from electric tissue. FASEB, New Orleans, April 1989, Federation Proceedings 3:A890, 1989.

Oliver M. Brown and John S. Andrade: Cadmium toxicity in *Raja erinacea* electric organ. The Maine Biological and Medical Sciences Symposium, Bar Harbor, Maine, June, 1990.

John S. Andrade and Oliver M. Brown: Calcium-cadmium antagonism in electric tissue. The Maine Biological and Medical Sciences Symposium, Bar Harbor, Maine, June, 1990.

Oliver M. Brown and John S. Andrade. Pre-synaptic actions of heavy metal ions in skate electric organ. San Francisco, July 1993, Pharmacologist 35:130, 1993.

Published Scientific Letters:

Oliver M. Brown: Use of statistics in "Changes in plasma lipids and lipoproteins during isotretinoin therapy for acne." New England Journal of Medicine 314: 1393, 1986.

Oliver M. Brown: Impact of the 1986 Report of the AVMA Panel on Euthanasia. Journal of Nutrition 117: 1311-1312, 1987.

Oliver M. Brown: "High blood alcohol levels in women." New England Journal of Medicine 323: 553, 1990.

Oliver M. Brown: Breath alcohol after using mouthwash. Journal of American Medical Association 71: 1400-1401, 1994.

NOTE: all of the above Publications, Chapters, Published Presentations, and Scientific Letters were published in peer-reviewed professional journals or books.

Educational Film:

Russell G. Durkovic, Donald C. Michaels and Oliver M. Brown: Blood Pressure: Controlling factors, chemical and physical. A 70-min film. SUNY-UMC Educational Communications, copyright 1979.

Miscellaneous:

Oliver Brown: Launchings – building the Alpha-2 sailing dory, WoodenBoat magazine, pg. 104, February 1993.

- Oliver Brown: Weapons grade nukes removed from Mexico, The VOICE newsletter of Peace Action of Central New York, pg.2-6, May 2012.
- Oliver Brown: Dirty Energy, The VOICE newsletter of Peace Action of Central New York, pg.3-4, July 2012.
- Oliver Brown: cover photo for Idaho magazine, vol. 12 No. 6, March 2013.
- Oliver Brown: Obama Still Prepares for Nuclear War, Peace Newsletter of Syracuse Peace Council, pg. 11, July-August 2013.